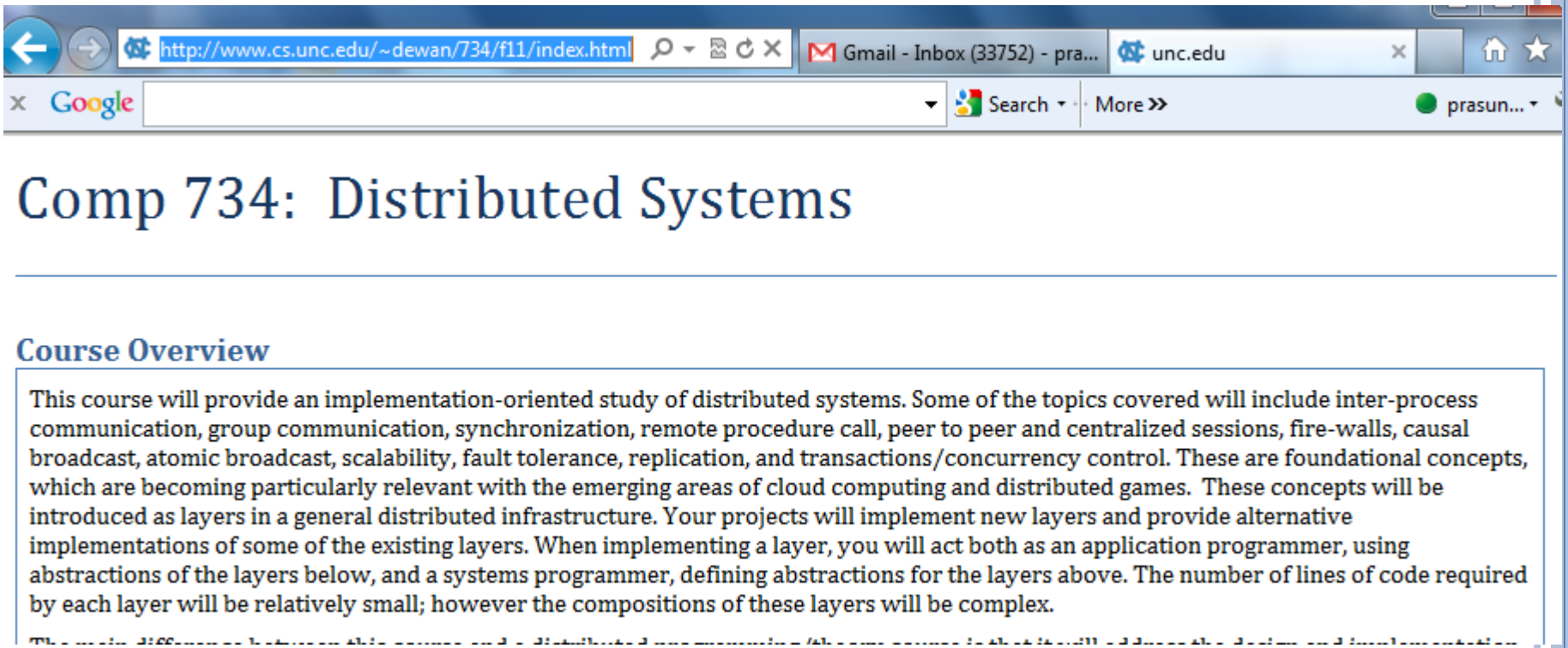
Comp 734 Distributed Systems

Instructor: Prasun Dewan (FB 150, dewan@unc.edu)

Course Home Page



http://www.cs.unc.edu/~dewan/734/current/index.html

Software

Downloads

Beau Halloween Simulation (Eclipse Project, uncompress and link to oeall17.jar or oeall22.jar)	beau_project.zip
Coupled Halloween Simulations (Eclipse project, uncompress and link to Beaj project and objecteditor)	CoupledTrickOrTreat.zip
ObjectEditor	oeall17.jar
Latest ObjectEditor (jar)	oeall22
GIPC (Github project library project)	GIPC

Grade Distribution

Exams (Two midterms, no final)	40%
Assignments (Home work)	50%
Class work (10%)	10%
Fudge Factor (Class participation, other factors)	10%

Getting Help

- Can discuss solutions with each other at a high level
- Not at the code level
- Sharing of code is honor code violation
- Can help each other with debugging as long as it does not lead to code sharing
- Assignments may contain solution in English (read only if stuck)

Piazza

Getting Help and Class Discussion

We will be using Piazza for class discussion and getting help. The system is highly catered to getting you help fast and efficiently from classmates, the TA, and myself. Rather than emailing questions to the teaching staff, I encourage you to post your questions on Piazza. If you do not get a response within a day or two on Piazza, please send mail.

Before posing a question, please check if this question has been asked before. This will reduce post clutter and reduce our burden. Repeat questions will be ignored by the instructors.

Piazza allows anyone to respond. So if you see a question that you think you can respond to, please do so, as that will reduce my burden and help you "teach" your fellow students.

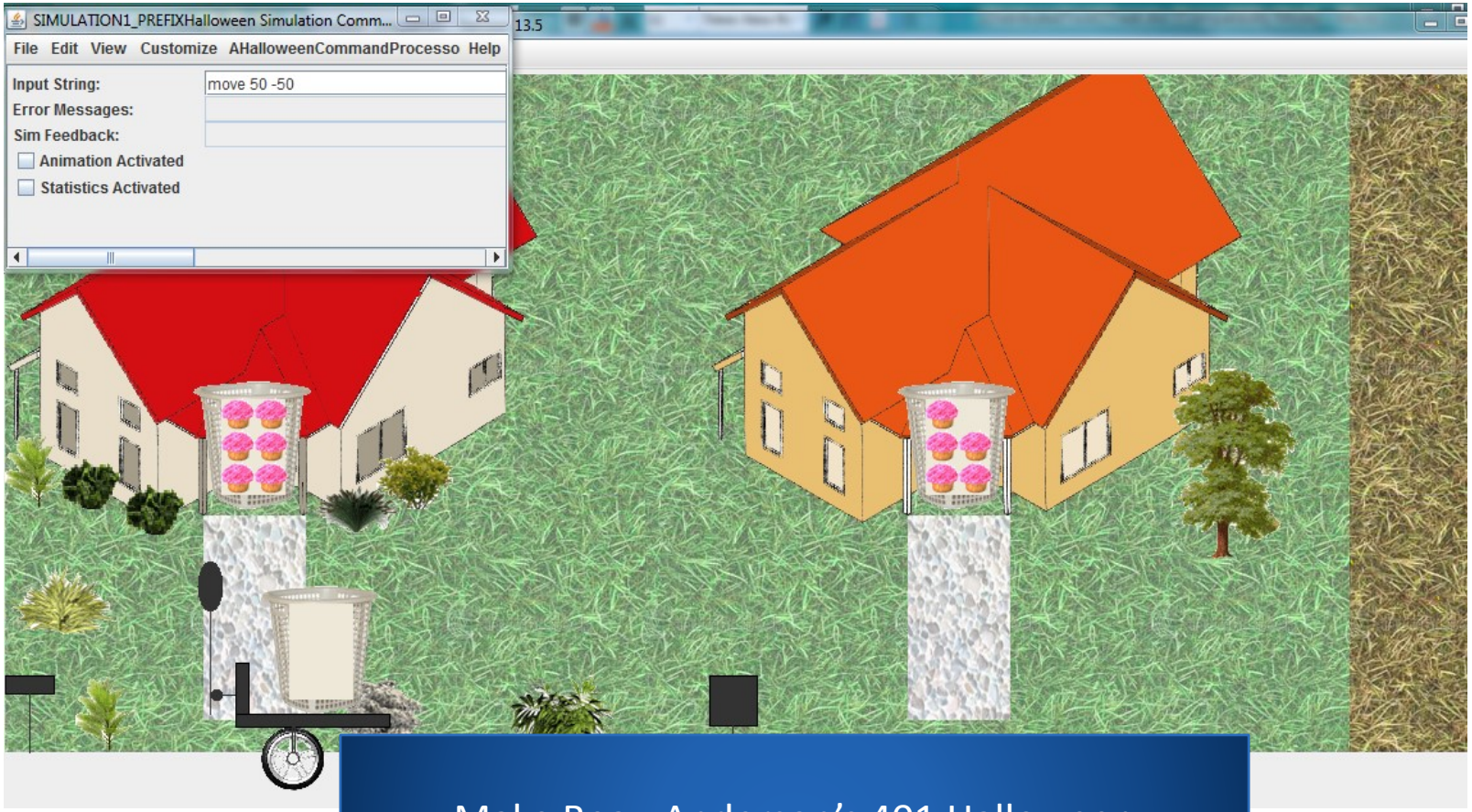
This will be a form of class participation that will be noted when I allocate my fudge points!

Hope it works well

If you have any problems or feedback for the developers, email team@piazza.com.

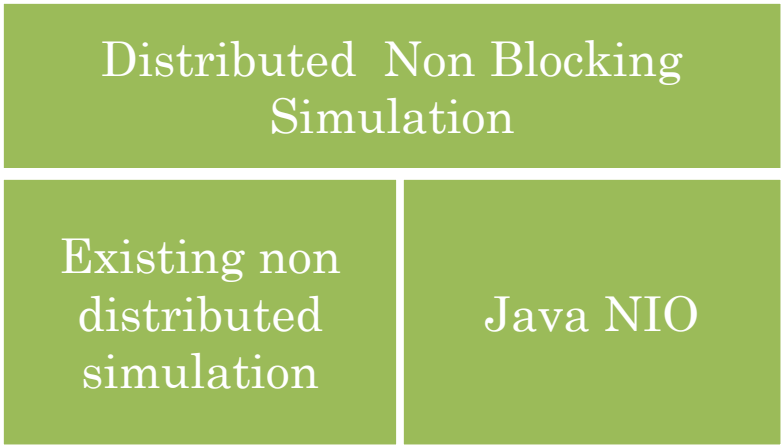
Find our class page at: https://piazza.com/unc/fall2015/comp734/home

Halloween Simulation

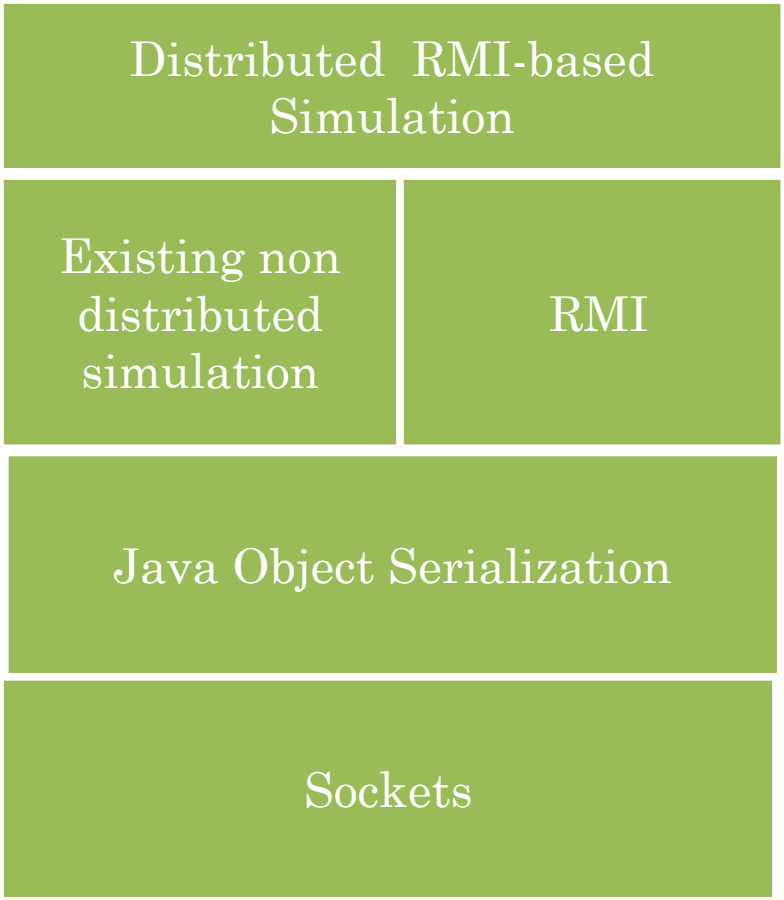


Make Beau Anderson's 401 Halloween implementation distributed

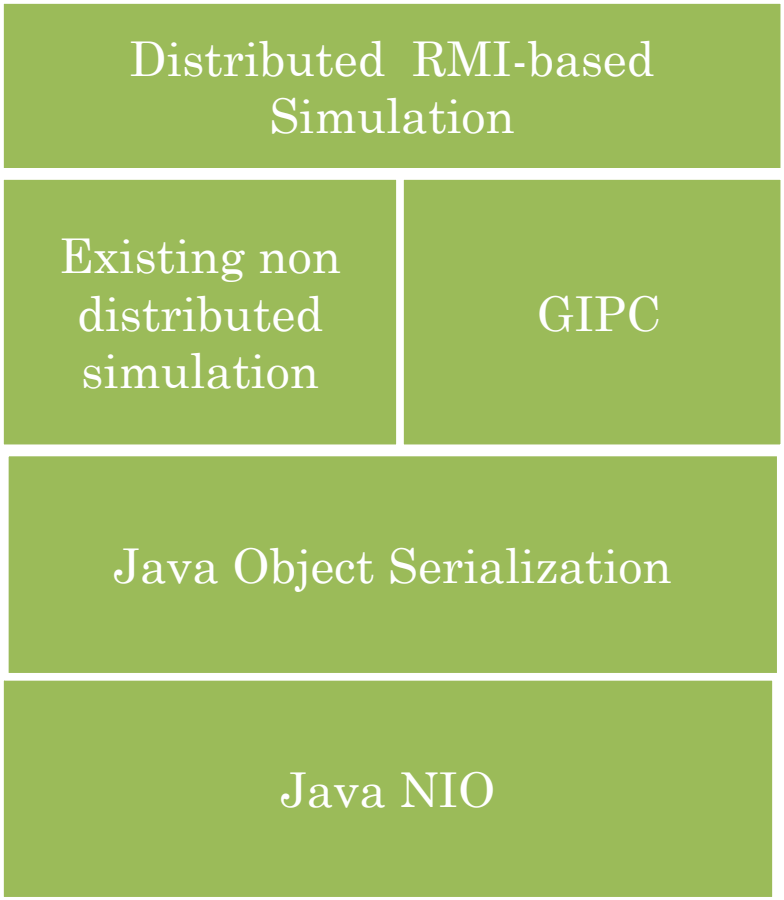
Use Non Blocking I/O



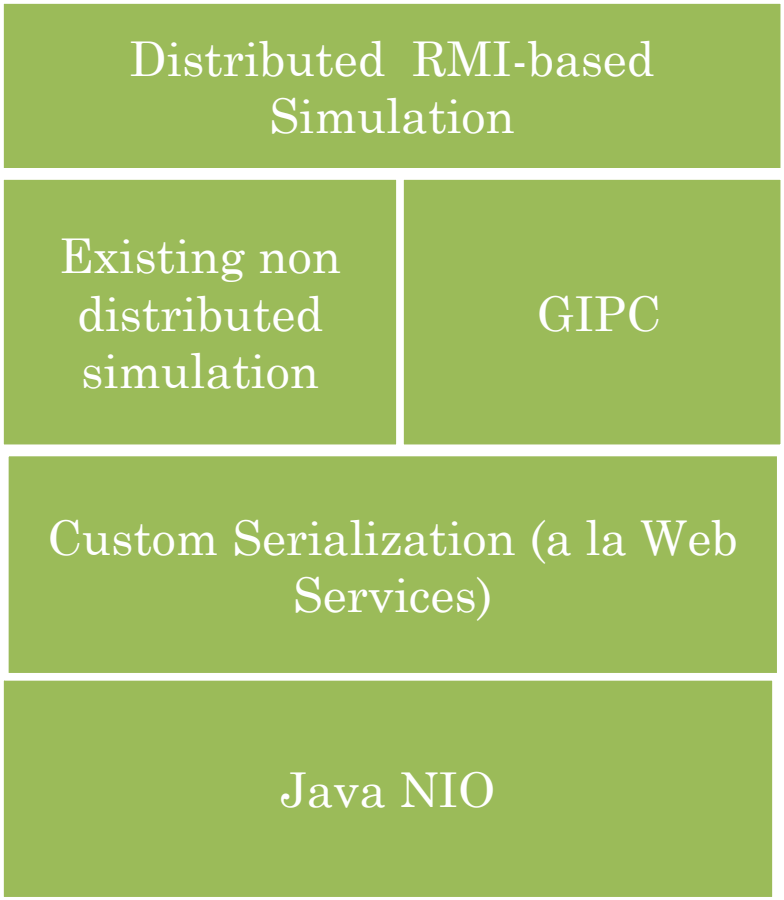
Use Synchronous RMI



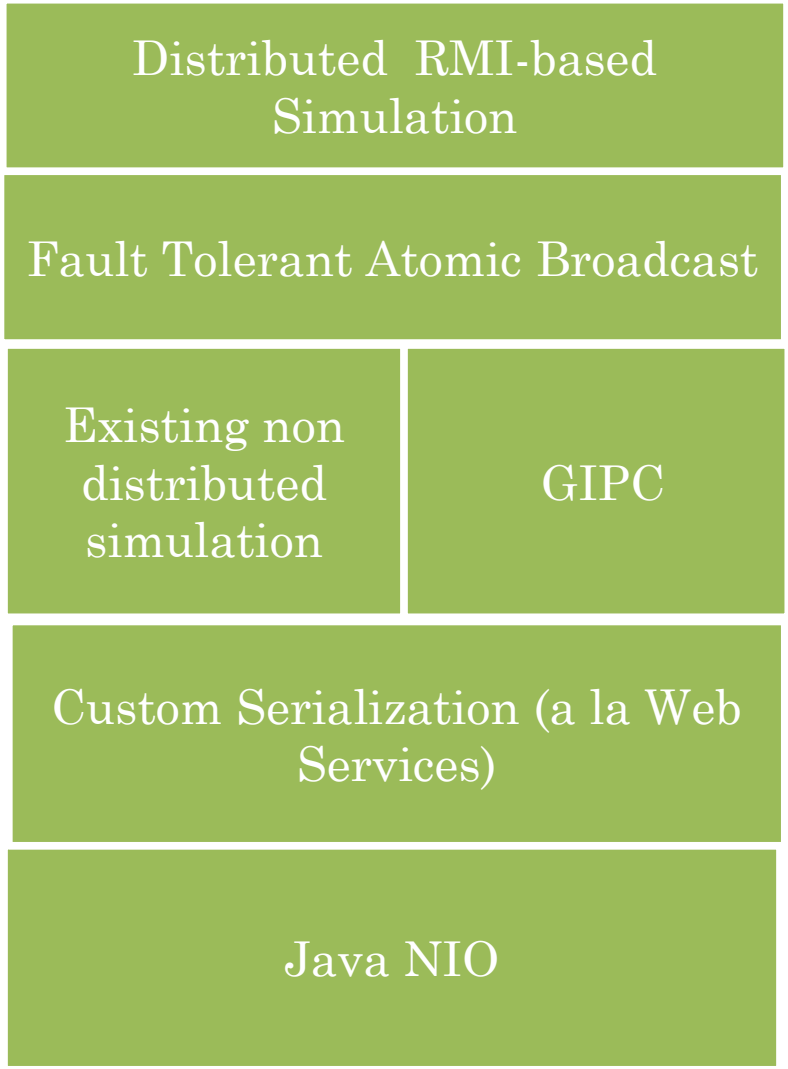
Asynchronous GIPC



Custom Serialization



Atomic Broadcast and Fault Tolerance



Inverted Class

Live Atomic Fault Tolerant Lectures

Slides and Youtube videos from Fall 13 offering

Class will involve quizzes, discussion and project work

Lectures and Assignments

Unit (Start Date)	Slides	Chapters	Assignment
Introduction	PPT PDF YouTube		
Java Byte Communication	PPT PDF YouTube-1 YouTube-2 YouTube-3		Distributed Non-Blocking Halloween Simulation

Current assignment is on the web - start working ASAP on it